

Report Date:
24-May-17 11:45**Laboratory Report**
SC34648Gulf Oil L.P.
281 Eastern Avenue
Chelsea, MA 02150
Attn: Andrew P. AdamsProject: Gulf Terminal - Chelsea, MA
Project #: Gulf Chelsea

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393Authorized by:
Christina White
Laboratory Director

A handwritten signature in black ink that reads "Christina A. White".

Eurofins Spectrum Analytical holds primary certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 12 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our Quality web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC34648
Project: Gulf Terminal - Chelsea, MA
Project Number: Gulf Chelsea

| <u>Laboratory ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>Date Received</u> |
|----------------------|-------------------------|---------------|---------------------|----------------------|
| SC34648-01 | Outfall 003 | Surface Water | 13-May-17 21:00 | 15-May-17 14:05 |

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

The samples were received 3.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Analyses for Total Hardness, pH, and Total Residual Chlorine fall under the state of Pennsylvania code Chapter 252.6 accreditation by rule.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8260C**Calibration:**

1705009

Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

1708138-BLK1

1708138-BLK2

1708138-BS1

1708138-BS2

1708138-BSD1

1708138-BSD2

Outfall 003

S704360-ICV1

S704555-CCV1

Laboratory Control Samples:

1708138-BS1

LCS/LCSD were analyzed in place of MS/MSD.

1708138-BSD1

LCS/LCSD were analyzed in place of MS/MSD.

SW846 8270D SIM**Calibration:**

1704025

Analyte quantified by quadratic equation type calibration.

Benzo (a) pyrene

Benzo (e) pyrene-d12

SW846 8270D SIM

Calibration:

1704025

This affected the following samples:

1708203-BLK2
1708203-BS2
1708203-BSD2
Outfall 003
S703654-ICV1
S704678-CCV1
S704750-CCV1

Laboratory Control Samples:

1708203 BSD

Benzo (a) pyrene RPD 25% (20%) is outside individual acceptance criteria.

Naphthalene RPD 21% (20%) is outside individual acceptance criteria.

1708203-BSD2

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Benzo (a) pyrene
Naphthalene
Phenanthrene
Pyrene

Sample Acceptance Check Form

Client: Gulf Oil L.P.
Project: Gulf Terminal - Chelsea, MA / Gulf Chelsea
Work Order: SC34648
Sample(s) received on: 5/15/2017

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

| | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| Were custody seals present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Were custody seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were samples received at a temperature of $\leq 6^{\circ}\text{C}$? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were samples refrigerated upon transfer to laboratory representative? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were sample containers received intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were samples accompanied by a Chain of Custody document? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Did sample container labels agree with Chain of Custody document? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Were samples received within method-specific holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Summary of Hits

Lab ID: SC34648-01

Client ID: Outfall 003

| Parameter | Result | Flag | Reporting Limit | Units | Analytical Method |
|------------------------|--------|------|-----------------|-------|-------------------|
| Total Suspended Solids | 9.8 | | 1.0 | mg/l | SM2540D (11) |
| Naphthalene | 0.076 | | 0.051 | µg/l | SW846 8270D SIM |

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification**Outfall 003**

SC34648-01

Client Project #

Gulf Chelsea

Matrix

Surface Water

Collection Date/Time

13-May-17 21:00

Received

15-May-17

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| <u>Volatile Organic Aromatics by SW846 8260</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 5030 Water MS</u> | | | | | | | | | | | | | |
| 71-43-2 | Benzene | < 1.0 | | µg/l | 1.0 | 0.3 | 1 | SW846 8260C | 16-May-17 | 17-May-17 | GMA | 1708138 | |
| 91-20-3 | Naphthalene | < 1.0 | | µg/l | 1.0 | 0.4 | 1 | " | " | " | " | " | |
| <i>Surrogate recoveries:</i> | | | | | | | | | | | | | |
| 460-00-4 | 4-Bromofluorobenzene | 96 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 98 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 102 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 98 | | | 70-130 % | | | " | " | " | " | " | |
| Semivolatile Organic Compounds by GCMS | | | | | | | | | | | | | |
| <u>SVOCs by SIM</u> | | | | | | | | | | | | | |
| <u>Prepared by method SW846 3510C</u> | | | | | | | | | | | | | |
| 50-32-8 | Benzo (a) pyrene | < 0.051 | | µg/l | 0.051 | 0.006 | 1 | SW846 8270D SIM | 17-May-17 | 22-May-17 | MSL | 1708203 | |
| 91-20-3 | Naphthalene | 0.076 | | µg/l | 0.051 | 0.007 | 1 | " | " | " | " | " | |
| <i>Surrogate recoveries:</i> | | | | | | | | | | | | | |
| 205440-82-0 | Benzo (e) pyrene-d12 | 69 | | | 30-130 % | | | " | " | " | " | " | |
| Extractable Petroleum Hydrocarbons | | | | | | | | | | | | | |
| <u>Prepared by method SW846 3510C</u> | | | | | | | | | | | | | |
| | Oil & Grease | < 1.00 | | mg/l | 1.00 | 0.915 | 1 | EPA 1664B | 22-May-17 | 22-May-17 | KK | 1708456 | X |
| General Chemistry Parameters | | | | | | | | | | | | | |
| | pH | 9.16 | | pH Units | | | 1 | ASTM D 1293-99B | 15-May-17 18:00 | 15-May-17 18:20 | BD | 1708122 | X |
| | Total Suspended Solids | 9.8 | | mg/l | 1.0 | 0.4 | 1 | SM2540D (11) | 16-May-17 | 17-May-17 | CMB | 1708147 | X |

This laboratory report is not valid without an authorized signature on the cover page.

Volatile Organic Compounds - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|-------|------|--|---------------|------|-------------|-----|-----------|
| SW846 8260C | | | | | | | | | | |
| Batch 1708138 - SW846 5030 Water MS | | | | | | | | | | |
| Blank (1708138-BLK1) | | | | | <u>Prepared & Analyzed: 16-May-17</u> | | | | | |
| Benzene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Naphthalene | < 1.0 | | µg/l | 1.0 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 47.2 | | µg/l | | 50.0 | | 94 | 70-130 | | |
| Surrogate: Toluene-d8 | 48.1 | | µg/l | | 50.0 | | 96 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 50.8 | | µg/l | | 50.0 | | 102 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 48.0 | | µg/l | | 50.0 | | 96 | 70-130 | | |
| Blank (1708138-BLK2) | | | | | <u>Prepared & Analyzed: 16-May-17</u> | | | | | |
| Benzene | < 5.0 | D | µg/l | 5.0 | | | | | | |
| Naphthalene | < 5.0 | D | µg/l | 5.0 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 46.5 | | µg/l | | 50.0 | | 93 | 70-130 | | |
| Surrogate: Toluene-d8 | 48.1 | | µg/l | | 50.0 | | 96 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.5 | | µg/l | | 50.0 | | 103 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 48.4 | | µg/l | | 50.0 | | 97 | 70-130 | | |
| LCS (1708138-BS1) | | | | | <u>Prepared & Analyzed: 16-May-17</u> | | | | | |
| Benzene | 19.3 | | µg/l | | 20.0 | | 97 | 70-130 | | |
| Naphthalene | 22.1 | | µg/l | | 20.0 | | 110 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 49.0 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: Toluene-d8 | 48.7 | | µg/l | | 50.0 | | 97 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.6 | | µg/l | | 50.0 | | 99 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 48.0 | | µg/l | | 50.0 | | 96 | 70-130 | | |
| LCS (1708138-BS2) | | | | | <u>Prepared: 16-May-17 Analyzed: 17-May-17</u> | | | | | |
| Benzene | 20.6 | D | µg/l | | 20.0 | | 103 | 70-130 | | |
| Naphthalene | 24.1 | D | µg/l | | 20.0 | | 121 | 70-130 | | |
| Surrogate: 4-Bromofluorobenzene | 48.6 | | µg/l | | 50.0 | | 97 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.2 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.5 | | µg/l | | 50.0 | | 99 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 48.3 | | µg/l | | 50.0 | | 97 | 70-130 | | |
| LCS Dup (1708138-BSD1) | | | | | <u>Prepared & Analyzed: 16-May-17</u> | | | | | |
| Benzene | 21.1 | | µg/l | | 20.0 | | 105 | 70-130 | 9 | 20 |
| Naphthalene | 23.4 | | µg/l | | 20.0 | | 117 | 70-130 | 6 | 20 |
| Surrogate: 4-Bromofluorobenzene | 48.8 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: Toluene-d8 | 48.8 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 49.8 | | µg/l | | 50.0 | | 100 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 47.5 | | µg/l | | 50.0 | | 95 | 70-130 | | |
| LCS Dup (1708138-BSD2) | | | | | <u>Prepared: 16-May-17 Analyzed: 17-May-17</u> | | | | | |
| Benzene | 19.8 | D | µg/l | | 20.0 | | 99 | 70-130 | 4 | 20 |
| Naphthalene | 23.9 | D | µg/l | | 20.0 | | 119 | 70-130 | 0.9 | 20 |
| Surrogate: 4-Bromofluorobenzene | 49.0 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: Toluene-d8 | 49.1 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 48.9 | | µg/l | | 50.0 | | 98 | 70-130 | | |
| Surrogate: Dibromofluoromethane | 48.0 | | µg/l | | 50.0 | | 96 | 70-130 | | |

Semivolatile Organic Compounds by GCMS - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------------|------|-------------|-------|--|---------------|-----------|---------------|-----|-----------|
| <u>SW846 8270D SIM</u> | | | | | | | | | | |
| Batch 1708203 - SW846 3510C | | | | | | | | | | |
| <u>Blank (1708203-BLK2)</u> | | | | | <u>Prepared: 17-May-17 Analyzed: 18-May-17</u> | | | | | |
| Benzo (a) pyrene | < 0.050 | | µg/l | 0.050 | | | | | | |
| Naphthalene | < 0.050 | | µg/l | 0.050 | | | | | | |
| Phenanthrene | < 0.050 | | µg/l | 0.050 | | | | | | |
| Pyrene | < 0.050 | | µg/l | 0.050 | | | | | | |
| <i>Surrogate: Benzo (e) pyrene-d12</i> | <i>0.780</i> | | <i>µg/l</i> | | <i>1.00</i> | | <i>78</i> | <i>30-130</i> | | |
| <u>LCS (1708203-BS2)</u> | | | | | <u>Prepared: 17-May-17 Analyzed: 18-May-17</u> | | | | | |
| Benzo (a) pyrene | 0.721 | | µg/l | 0.050 | 1.00 | | 72 | 40-140 | | |
| Naphthalene | 0.741 | | µg/l | 0.050 | 1.00 | | 74 | 40-140 | | |
| Phenanthrene | 0.643 | | µg/l | 0.050 | 1.00 | | 64 | 40-140 | | |
| Pyrene | 0.749 | | µg/l | 0.050 | 1.00 | | 75 | 40-140 | | |
| <i>Surrogate: Benzo (e) pyrene-d12</i> | <i>0.800</i> | | <i>µg/l</i> | | <i>1.00</i> | | <i>80</i> | <i>30-130</i> | | |
| <u>LCS Dup (1708203-BSD2)</u> | | | | | <u>Prepared: 17-May-17 Analyzed: 18-May-17</u> | | | | | |
| Benzo (a) pyrene | 0.929 | QR9 | µg/l | 0.050 | 1.00 | | 93 | 40-140 | 25 | 20 |
| Naphthalene | 0.916 | QR9 | µg/l | 0.050 | 1.00 | | 92 | 40-140 | 21 | 20 |
| Phenanthrene | 0.826 | QR9 | µg/l | 0.050 | 1.00 | | 83 | 40-140 | 25 | 20 |
| Pyrene | 0.977 | QR9 | µg/l | 0.050 | 1.00 | | 98 | 40-140 | 26 | 20 |
| <i>Surrogate: Benzo (e) pyrene-d12</i> | <i>0.990</i> | | <i>µg/l</i> | | <i>1.00</i> | | <i>99</i> | <i>30-130</i> | | |

Extractable Petroleum Hydrocarbons - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|------------------------------------|-------------|------|-------|------|---|---------------|------|-------------|-----|-----------|
| <u>EPA 1664B</u> | | | | | | | | | | |
| Batch 1708456 - SW846 3510C | | | | | | | | | | |
| <u>Blank (1708456-BLK1)</u> | | | | | <u>Prepared & Analyzed: 22-May-17</u> | | | | | |
| Oil & Grease | < 1.00 | | mg/l | 1.00 | | | | | | |
| <u>LCS (1708456-BS1)</u> | | | | | <u>Prepared & Analyzed: 22-May-17</u> | | | | | |
| Oil & Grease | 13.4 | | mg/l | 1.00 | 16.5 | | 81 | 78-114 | | |

General Chemistry Parameters - Quality Control

| Analyte(s) | Result | Flag | Units | *RDL | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--|--------|------|----------|------|-------------|---------------|------|-------------|-----|-----------|
| <u>ASTM D 1293-99B</u> | | | | | | | | | | |
| Batch 1708122 - General Preparation | | | | | | | | | | |
| <u>Duplicate (1708122-DUP1)</u> | | | | | | | | | | |
| pH | 9.16 | | pH Units | | | 9.16 | | | 0 | 5 |
| <u>Reference (1708122-SRM1)</u> | | | | | | | | | | |
| pH | 6.01 | | pH Units | | 6.00 | | 100 | 97.5-102.5 | | |
| <u>Reference (1708122-SRM2)</u> | | | | | | | | | | |
| pH | 6.02 | | pH Units | | 6.00 | | 100 | 97.5-102.5 | | |
| <u>SM2540D (11)</u> | | | | | | | | | | |
| Batch 1708147 - General Preparation | | | | | | | | | | |
| <u>Blank (1708147-BLK1)</u> | | | | | | | | | | |
| Total Suspended Solids | < 0.5 | | mg/l | 0.5 | | | | | | |
| <u>LCS (1708147-BS1)</u> | | | | | | | | | | |
| Total Suspended Solids | 98.0 | | mg/l | 10.0 | 100 | | 98 | 90-110 | | |

Notes and Definitions

| | |
|------|--|
| D | Data reported from a dilution |
| QM10 | LCS/LCSD were analyzed in place of MS/MSD. |
| QR9 | RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery. |
| dry | Sample results reported on a dry weight basis |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| OG | The required Matrix Spike and Matrix Spike Duplicate (MS/MSD) for Oil & Grease method 1664B can only be analyzed when the client has submitted sufficient sample volume. An extra liter per MS/MSD is required to fulfill the method QC criteria. Please refer to Chain of Custody and QC Summary (MS/MSD) of the Laboratory Report to verify ample sample volume was submitted to fulfill the requirement. |
| pH | The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt. |

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
 All TATs subject to laboratory approval
 Min. 24-hr notification needed for rushes
 Samples disposed after 60 days unless otherwise instructed

Report To: Andrew Adams

Gulf Oil LP

281 Eastern Ave

Chelsea, MA 02150

Telephone #:

617.884.5980

Project Mgr:

Andrew Adams

Invoice To: Christopher Gill

Gulf Oil LP

80 William St, Suite 400

Wellesley, MA 02481-3705

P.O. No.:

Quote/RON:

Project No:

Site Name:

Location:

Sampler(s):

Gulf Chelsea

281 Eastern Ave, Chelsea

State: MA

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₂PO₄

11= none

12=

List Preservative Code below:

11 3 2 11

DW=Drinking Water

GW=Groundwater

SW=Surface Water

WW=Waste Water

O=Oil

SO=Soil

SL=Sludge

A=Indoor/Ambient Air

SG=Soil Gas

X1=

X2=

X3=

G=Grab

C=Composite

Lab ID:

Sample ID:

Date:

Time:

Type

Matrix

of VOA Vials

of Amber Glass

of Clear Glass

of Plastic

TSS, pH

O&G

VOCs (benzene & naphthalene)

PAH (benz(a) pyrene & naphthalene)

Check if chlorinated

Required MLs:

benzene 2 µg/L

naphthalene 5 µg/L

benzo(a)pyrene 0.1 µg/L

Requisitioned by:

Received by:

Date:

Time:

Temp °C

EDD format:

E-mail to:

Condition upon receipt:

Custody Seals:

Present

Intact

Broken

Ambient

Lead

Refrigerated

DI VOA Frozen

Soil Jar Frozen

MA DEP MCP CAN Report?

CT DPH RCP Report?

Standard

DQA*

ASP A*

ASP B*

NJ Reduced*

NI Full*

Tier II*

Tier IV*

Other

State-specific reporting standards

MA DEP MCP CAN Report?

CT DPH RCP Report?

Standard

DQA*

ASP A*

ASP B*

NJ Reduced*

NI Full*

Tier II*

Tier IV*

Batch Summary

1708122

General Chemistry Parameters

1708122-DUP1
1708122-SRM1
1708122-SRM2
SC34648-01 (Outfall 003)

1708138

Volatile Organic Compounds

1708138-BLK1
1708138-BLK2
1708138-BS1
1708138-BS2
1708138-BSD1
1708138-BSD2
SC34648-01 (Outfall 003)

1708147

General Chemistry Parameters

1708147-BLK1
1708147-BS1
SC34648-01 (Outfall 003)

1708203

Semivolatile Organic Compounds by GCMS

1708203-BLK2
1708203-BS2
1708203-BSD2
SC34648-01 (Outfall 003)

1708456

Extractable Petroleum Hydrocarbons

1708456-BLK1
1708456-BS1
SC34648-01 (Outfall 003)

S703654

Semivolatile Organic Compounds by GCMS

S703654-CAL1
S703654-CAL2
S703654-CAL3
S703654-CAL4
S703654-CAL5
S703654-CAL6
S703654-CAL7
S703654-CAL8
S703654-CAL9
S703654-CALA
S703654-CALB
S703654-ICV1
S703654-LCV1
S703654-LCV2

S703654-TUN1

S704360

Volatile Organic Compounds

S704360-CAL1
S704360-CAL2
S704360-CAL3
S704360-CAL4
S704360-CAL5
S704360-CAL6
S704360-CAL7
S704360-CAL8
S704360-CAL9
S704360-CALA
S704360-CALB
S704360-ICV1
S704360-LCV1
S704360-LCV2
S704360-LCV3
S704360-LCV4
S704360-TUN1

S704555

Volatile Organic Compounds

S704555-CCV1
S704555-TUN1

S704678

Semivolatile Organic Compounds by GCMS

S704678-CCV1
S704678-TUN1

S704750

Semivolatile Organic Compounds by GCMS

S704750-CCV1
S704750-TUN1